

University of Maryland at College Park

OUTLOOK

January 30, 1989

Satellite Program Ushers in Black History Month

On Feb. 1 at 1 p.m., live from Washington, D.C., a major telecommunications event will bring together distinguished experts on the contributions of Blacks to this country with audiences at schools, universities and government agencies across the country. The two-hour free event, *Beyond the Dream*, will be received via satellite for the College Park community in the Colony Ballroom of Stamp Student Union.

Sponsored by the publishers of *Black Issues in Higher Education*, the special program will originate in Washington, D.C. and be interactive, enabling audience participants to call a special toll-free number and ask questions on the air.

The program will consist of both live discussions and pre-recorded sections. Featured will be prominent scholars, including author and pioneer historian John Hope Franklin, National Education Association president Mary Hatwood Futrell and Ancient Egypt historian Asa Hilliard.

In addition, there will be comments from national figures, such as Marian Wright Edelman, president of the Children's Defense Fund; Dorothy Gilliam, *Washington Post* columnist; Mae Jemison, the first U.S. Black female astronaut; Bernard Randolph, the only Black active duty four-star U.S. general; Donald Stewart, president of The College Board; and Yvonne Brathwaite Burke, former California congresswoman. The program will be rounded out with entertainment by leading performers and inspiring and historic film footage.

Beyond the Dream will look at the contributions of Blacks in the fields of education, politics, economics, the military, the arts, sports, entertainment and social issues. In addition it will feature young Black men and women who represent the next generation of black leaders in this country.

The Offices of Graduate Minority Affairs and Graduate Studies and Research are sponsoring this event as part of Black History Month at UMCP. All interested students, staff and faculty are urged to attend. ■

Contract Awarded for New Telecommunications System

The State Board of Public Works has approved an award for a new multi-million dollar telecommunications system for the College Park campus. Amounting to over \$32.8 million, the award includes \$7.3 million for ten years of system maintenance.

The comprehensive telecommunications system will include the installation of new conduit, cable, telephone switch, telephones, coaxial cable for video transmission to classrooms and laboratories, voice mail, and installation of fiber optic cable for high speed data transmission. When completed, the system will provide for over 15,000 connections including service for faculty, staff and resident students, says Jonathan Rood, director of the Department of Communication Services and the person responsible for managing the project.

The award is the result of a multi-year effort that started with the initiation of a Telecommunications Task Force co-chaired by now Acting President William E. Kirwan and Vice President for Administrative Affairs Charles F. Sturtz. Kirwan sees the effort to meet the needs of College Park as an opportunity to meet both current and future campus communication requirements. "The new system will provide faculty, staff and students with the communication tools necessary to meet the technological requirements of a major research university," he says.

"This has been an enormous project for a large number of university staff," says Rood. "Each of the prior steps such as data gathering, requirements definition, development of the system design and Request for Proposal, and proposal response evaluation has been a major effort in-

volving the review of hundreds of documents. The largest effort of all remains, and that task is implementation."

The new telephone system will consist of a computerized switch, an AT&T System 85 PBX for the campus. The switch considered the "heart" of the system will transmit information via the cables and fiber optics to each of the buildings on the campus.

The system will offer digital telephone service with numerous new electronic features. A centralized voice mail system will not only allow users to have their calls answered, but also will record and store each message. Wiring for data communications has been included in the project. Each telephone outlet also will have a data

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UMCP Receives Nō Theater Stage As Gift



Specially crafted masks are worn by the principal actor in Nō Theater productions.

A specially constructed, authentic Nō Theater stage used recently for performances of historic Japanese Nō Theater at the National Gallery of Art has found a permanent home at UMCP.

Suetaro Kawakami, General Manager of the Cultural Projects Department of the Yomiuri Shimbun (a leading Japanese newspaper), presented the Nō Theater stage to the College Park campus during a ceremony Jan. 18 at the National Gallery of Art. Acting President William E. Kirwan and James H. Leshner, Acting Dean of the College of Arts and Humanities, received the gift in a dedication at the National Gallery of Art that was followed by a performance of Nō theater and a dinner.

The stage will be dismantled and held in storage at UMCP before being reassembled and used in performances of Nō Theater, the oldest form of professional theater in Japanese culture. A permanent site for the stage has not yet been selected.

The stage, named the Yomiuri Theater in honor of the donating corporation, was built by a production team of American and Japanese

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Dingman Center for Entrepreneurship Announces Awards

Eleven faculty members at the College of Business and Management have received summer research grants for 1989 from the Michael Dingman Center for Entrepreneurship. The awards total \$31,000 and have been awarded to the following faculty: Abdul Ali, William Bradford, Cheol Eun, Anil Gupta, Richard Kolodny, Robert Krapfel, Martin Loeb, Judith Olian, Carl Scheraga and Susan Taylor. The research projects include an analysis of the economic consequences of foreign acquisitions of U.S. firms, an examination of the success rate of first-time entrepreneurs, and a comparative study of entrepreneurial new product development.

RESEARCH HIGHLIGHTS

Conservation Biology Program Teaches Harmony of Progress and Protection

Living on forest islands amidst the surging sea of development in Brazil, a small monkey called the golden lion tamarin fights for its existence. The golden lion tamarin has been forced into pockets of coastal forest as more and more trees are chopped down to make room for condominiums near Brazil's beaches. As a result, these isolated populations of monkeys face problems caused by inbreeding and certain extinction if development is not curbed.

Unfortunately, the golden lion tamarin's plight is not a solitary one. As humans continue development and deforestation, particularly in the tropics, more and more species are headed for extinction.

Recognizing the severity of the situation, several American colleges and universities currently are setting up academic programs in conservation biology, and UMCP is leading this trend. By this fall, the campus will open its graduate program in conservation biology.

"We're one step ahead of a thundering herd," says David Allen, professor of zoology and director of the new program.

Allen and Jim Dietz, associate professor of zoology, have developed the program with a \$30,000 grant from the Pew Charitable Trust and a matching grant from the university. Pew has donated funds to 10 other universities for development of similar programs. UMCP will be competing with these schools for students and grant money.

But according to Allen and Dietz, College Park has an excellent opportunity of becoming the top program in conservation biology. Because the campus is located near Washington,

D.C., the program will involve conservation foundations, the National Zoo, the Smithsonian, embassies and the federal government. The program will take a multi-disciplinary approach on campus as well. Allen and Dietz currently are collaborating with other departments such as geography, government and politics, and agricultural and resource economics.

Through this approach, the program will teach students that conservation of plant and animal life is a very complex issue. "Conservation problems are not just zoological. They are political and economic as well," Allen explains.

Dietz adds that conservation is an education issue, too. For instance, in addition to deforestation by developers in coastal Brazil, farmers in that region have cleared forests for more farm land and firewood. He says that education efforts with these farmers are beginning to have an effect.

"These farmers are not poor. They don't need to clear the land, but no one had told them that it wasn't a good idea to cut down the forest. Education programs are teaching them that forests protect the watershed and preserve species for their children to enjoy. The forest also can provide enough wood if properly managed."

Dietz says that education programs about the golden lion tamarins in Brazilian schools that he has worked on and reforestation between forest islands might help to stabilize the tamarin's population. The Brazilian government also has been very supportive both bureaucratically and financially. Dietz says he hopes that the conservation efforts with the

golden lion tamarins might serve as a model for other endangered species in developing countries.

Some may ask why it is so important to save endangered species such as the golden lion tamarin. Allen, Dietz and most other biologists agree that maintaining a large number of species helps ensure preservation of life in general.

"All species are moving toward extinction at different rates," Dietz explains. "But humans have accelerated those rates for most species on the planet."

Dietz says that the research on the golden lion tamarins should have

widespread significance. The survival of many other species in the Brazilian coastal forest depends on the survival of the tamarins. The researchers also expect to learn more about island biogeography. For example, is it better to have many small forest islands as reserves or one big island? By answering these questions, development and deforestation could be planned more carefully.

"We know development will occur," Allen says. "We just have to make conservation and development coexist peacefully." ■

—Jan Barkley



Photo Credit: JESSIE COHEN

Golden lion tamarins

UMCP to Host Conference on History, Heritage of Civil Engineering

UMCP will host the first International Conference on the History and Heritage of Civil Engineering August 1 through 5.

The conference is sponsored by the American Society of Civil Engineers and will be held at the Center of Adult Education. It will be co-chaired by Leonhard Bernold, assistant professor, UMCP Dept. of Civil Engineering, and Howard Newlon, director of the Virginia Highway and Transportation Research Council, Charlottesville.

The conference, the first of its kind, is expected to attract as many as 200 participants from this country and abroad, Bernold says.

Other support comes from the U.S. Army Corps of Engineers, the National Park Service's Historical American Engineering Record, the Public Works Historical Society of the American Public Works Association, the Smithsonian's National Museum of

American History and the civil engineering community.

Bernold says conference themes will focus on the value of civil engineering — its history and heritage — to both the profession and to society in general, on education and professional development and on documentation and records.

The conference will feature a

public lecture and a film festival of motion pictures of early American construction projects. Other conference highlights include a national student competition and panel discussions designed to provide practical information about historic preservation to members of the construction industry. ■

Doctoral Student Wins ITT Fellowship

UMCP doctoral student Fernando E. Vega-Sanchez was one of 20 students selected worldwide for an ITT International Fellowship for study abroad. Vega-Sanchez, who currently is studying in Mexico under the award, was chosen from hundreds of applicants.

An undergraduate of the University of Puerto Rico, Mayaguez, Vega-

Sanchez received his master's degree in horticulture from UMCP in 1986 and is now working on his Ph.D. in entomology here.

The ITT International Fellowship program has been around since 1973 and has enabled 700 students to study abroad in 54 countries. ■

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 454-5335.



Outstanding Minority Students Named By FMCD

Six students from the Department of Family and Community Development were the recent recipients of the department's third annual Outstanding Minority Student Award. The students, selected on the basis of their contributions to the study of minority families, received a cash award. This year's award winners included Norma Cecilia Jimenez de Tono, Viviana Azar, Stephen C. Walwyn, Andrea Anderson,

A. Lourdes Portales and Kevin Stockwell. "The need for minority group marriage and family therapists is acute," says Roger Rubin, director of Graduate Studies. "The department and university are providing a very important contribution to the quality of marriage and family life among minorities by producing these kinds of experts," adds Carol Werlinich, director of the Family Service Center.

Update on Campaign for College Park: Support for Campus Growing

Between September, when it was launched, and December 31, 1988, the Campaign for College Park has raised more than \$150,000. Over ten percent of UMCP's full-time faculty and staff have contributed to the campus-wide fundraising initiative.

Gifts have been designated for a variety of programs with scholarships a clear favorite.

The Division of Student Affairs is contributing to a scholarship that will be named for a different Student Affairs employee each year.

The Office of Academic Affairs and

the Office of Institutional Advancement have raised thousands of dollars for the President's Scholars Program, recently renamed the Francis Scott Key Scholars. A number of gifts have been earmarked for the new endowment to support the Child Care Center.

Individual giving has been generous. A member of the astronomy department faculty for example recently gave \$12,000, and a professor in the College of Behavioral and Social Sciences has contributed a total of \$29,000.

"Thanks to the hard work and generosity of many staff and faculty, this year's Campaign for College Park has been a tremendous success," notes Brad Barwise, director of development. "The participation rate has almost doubled over last year, and we have experienced a 50 percent increase in total dollars contributed."

The increase in participation by many campus departments has been extraordinary. The College of Human Ecology has made an extremely strong showing and has had almost

100 percent participation in some departments. Participation by the Division of Administrative Affairs has been equally impressive, particularly within the Office of the Bursar.

"This is a great school and there's a lot of support among the staff," notes Harry Grattan, supervisor of student accounts in the Bursar's office. "We may not make a lot of money, but I really feel that we're doing something worthwhile."

The campaign will continue through the end of June. ■

New Telecommunications System Approved

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communications jack. As part of this effort to allow for wider distribution of video programs for instructional use, the existing coaxial cable network will be expanded. Extensive use of fiber optic cable will provide current solutions and future options for the campus.

Installation of the new system will be a major undertaking involving the construction of a completely new underground conduit system, and is expected to take about 18 months to complete. This construction involves

threading large concrete encased ducts through an already complex network of other utilities on the campus.

The new electronic features of the system will increase efficiency in many ways. For instance, the system will allow special "hot lines" to distribute information about library hours, job opportunities, snow closings, campus events, and directions to the campus. ■

—Roz Hiebert



Past and Future. Jonathan Rood, director, and Dorothy Chrismer, assistant director of Communications Services, demonstrate one of the many features of a new electronic digital telephone, comparing it with an existing campus telephone.

Come to the Game and Honor Our Women Athletes



Vicky Bullett in action.

On Feb. 6 at 7:30 p.m. in Cole Field House UMCP's nationally-ranked women's basketball team will take on ACC rival Georgia Tech. Since that day is National Women in Sport Day, the campus is planning a special event to honor our women athletes. Everyone is invited to come to the game to celebrate, cheer on, applaud and otherwise support our defending ACC champions. You'll see 1988 Olympian gold-winner All-American Vicky Bullett, Deanna Tate, and Kaisa Maine, along with their teammates,

coached by Chris Weller, now in her fourteenth season at UMCP. You'll be there to root for Acting President William E. Kirwan, special coach of the day, and enjoy a half-time demonstration by the women's gymnastics team. The evening is free for you and your guest if you have a UMCP I.D. card. It's time to celebrate women's sports. Show up for the game and tell our women athletes we care. ■

LARRY CROUSE

Calendar

January 30—February 8

Randall Robinson to Speak Here About South Africa

Anti-Apartheid activist Randall Robinson will debate Dolf Proge on the subject of "U.S. Involvement in South Africa," Tuesday, January 31 at 7 p.m. Call x8806 for more information. Sponsored by SEE Productions, the debate is the first of many lectures being presented on the College Park Campus in recognition of February as Black History Month. Throughout February, the Calendar will list these lectures as well as the many films, performances and socials that have been prepared for Black History Month. For more information about the month's activities, call x4901.

30 MON



Entries for Singles Racquetball, 8:30 a.m.-6 p.m., Campus Recreation Services, Reckord Armory Lobby, registration closes Feb. 7. Call x3124 for info.

Agriculture Lecture: "Recent Developments in the Organization for Tropical Studies," Douglas Gill, noon, 0115 Symons Hall. Call x6407 for info.

Entomology Colloquium: "Dynamics of Laboratory Populations of the German Cockroach," Byron Reid, Purdue U., 4 p.m., 0200 Symons Hall. Call x3843 for info.

Space Science Seminar: "Substorms in the Near-Earth Magnetosphere," Ramon Lopez, Johns Hopkins U., 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call x3136 for info.

Black History Month Film Series: "Keep Your Eyes on the Prize," parts 1 & 2, 7-9 p.m., Hoff Theater, followed by a discussion; parts 3 & 4 will be shown Feb. 6, same time and place; parts 4 & 5 will be shown Feb. 13, 6 p.m., followed by lecture from series creator Henry Hampton. Call x8806 for info.

31 TUE

Meteorology Seminar: "Seasonal Forecast With a Coupled Ocean-Atmosphere GCM," Kikuro Miyakoda, Princeton U., 3:30 p.m., 2114 Computer & Space Sciences Bldg. Call x2708 for info.

Black History Month Event: SEE Productions presents a debate on "U.S. Involvement in South Africa," speakers will be Randall Robinson and Dolf Proge, 7 p.m., location TBA. Call x8806 for info.

1 WED

Black History Month Brown Bag Lecture: "Blacks Coping on a Predominantly White Campus," noon-2 p.m., Nyumburu Cultural Center. Call x4707 for info.

Register for Fitness Walking, 8:30 a.m.-6 p.m., Campus Recreation Services, Reckord Armory Lobby. Call x3124 for info.

Black History Month Opening Ceremony, sponsored by the Pan Hellenic Council and the Office of Campus Activities, 3 p.m., Colony Ballroom, Stamp Student Union. Call x4952 for info.

History Seminar: "Crusaders Against Liberation: Women and the Right in the Twentieth Century," Claudia Koonz, Duke U., 3:30 p.m., 0102 Francis Scott Key Hall. Call x3783 for info.

2 THU

Meteorology Seminar: "Current Research in Data Assimilation at the European Center for Meteorological Weather Forecasting," A. Hollingsworth, ECMWF, United Kingdom, 3:30 p.m., 2114 Computer & Space Sciences Bldg. Call x2708 for info.

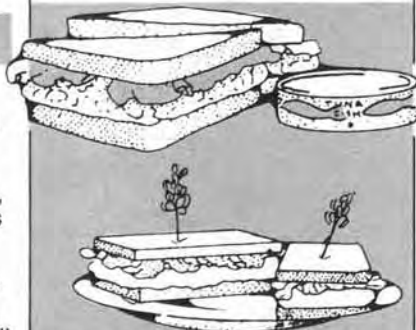
Black History Month Event: Coffee House Social, 3:30-5 p.m., Anne Arundel Hall. Call x2130 or x2745 for info.

Chemistry and Biochemistry Colloquium: "Greenhouse Gases and Global Climate," Lester Machta, NOAA, 4 p.m., 1325 Chemistry Bldg. Call x4421 for info.

3 FRI

Linguistics Colloquium: "English Compound Stress and Issues in Phonological Theories," Dawn Bates, U. of Victoria, noon, Seminar Room, Mill Bldg. Call x7002 for info.

Black History Month Lecture: "Fitness and Health: An Agenda for Minorities," Matt Guidry, 2 p.m., 3202 PERH Bldg. Call x3096 for info.



AAUW Lunch Bunch, noon, Maryland Room, Marie Mount Hall. Call x2938 for info.

Lunch 'N Learn Conference: "Profiling Criminal Behavior: The Psychology of Serial Murderers," Richard Ratner, George Washington U., and Bob Ressler, FBI, 12-2 p.m., 3100E Health Center. Call x4925 for info.

University Community Concert: TASHI, featuring clarinetist Richard Stoltzman, will perform works for clarinet and strings by Shostakovich, Haydn, Mozart and Brahms, 8 p.m., Center for Adult Education, \$15 and \$13.50. Call x6534 for info.



TASHI will perform works for clarinet and strings on Friday, February 3, at 8 p.m. in the Center of Adult Education

4 SAT



Happy Birthday Mozart Concert: The UM Symphony Orchestra will perform Mozart's Overture to Così Fan Tutte and the Sinfonia Concertante, K 364, 8 p.m., Tawes Recital Hall, \$10 and \$7. Call x6669 for info.

5 SUN



Astronomy Talk/Slide Show: "The Space Telescope," A. S. Wilson, 8 p.m., Astronomy Observatory. Call x3001 for info.

Black History Month Film: "The Color Purple," followed by a discussion, 8 p.m., LaPlata Recreation Room. Call x4276

Water Aerobics, Aerobics and Fitness Walking Begins, call Campus Recreation Services, x3124 for more information.

Linguistics Colloquium: "Focusing on Phonological Phrases in Chichewa," Jonni Kanerva, Stanford U., noon, Seminar Room, Mill Bldg. Call x7002 for info.

Entomology Colloquium: "Contemporary and Integrated Methods for Mosquito Control," Cy Lesser, Maryland Department of Agriculture, 4 p.m., 0200 Symons Hall. Call x3843 for info.

Space Science Seminar: "Interactions Between Microspheric and Macrospheric Processes in Ionosphere Magnetosphere Coupling," Peter Palmadesso, Naval Research Laboratory, 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call x3136 for info.

Black History Month Conference: "Mainstreaming Multiculture Education," featuring speakers, panels, artists and films, 8:30 a.m.-3:30 p.m., Prince Georges' Community College. Call x5668 for info.

Black History Month Lecture/Discussion: "Educational Linkages for Cultural Diversity in Science," Bobby Phillips, Southern U. at Baton Rouge and Richard Sullivan, Jackson State U., 9-11:30 a.m., 1216 H. J. Patterson Hall; a

reception will follow, 3:30-5 p.m., Prince George's Room, Stamp Union. Call x4276 for info.

Black History Month Film: "Cry the Beloved Country," today and tomorrow, 4 p.m., Hoff Theater. Call x4987 for info.

College of Education Reception, for minority graduate students, 4:30-7:30 p.m., Faculty Lounge, Benjamin Bldg. Call x1524 for info.

Black History Month Film: "I Have A Dream," followed by a discussion, 7 p.m., Bel Air B Lounge. Call x4276 for info.

Black History Month Film: "A Class Divided," followed by a discussion, 7 p.m., Annapolis Hall. Call x4276 for info.

Black History Month Film: "A World Apart," today and tomorrow, 7 & 9:30 p.m., Hoff Theater. Call x4987 for info.

8 WED

Black History Month Performance: "Proud to be Black Night," featuring musical selections by the Shades of Harlem, LaFrieda Little and Crystal Shepard, 7 p.m., Colony Ballroom, Stamp Student Union. Call x4952 for info.

* Admission charged for this event. All others are free.

Sign Up Now for Water Aerobics

Registration for Water Aerobics begins Feb. 1. Those paying a \$20 nonrefundable fee will insure themselves a spot (enrollment will be limited to 50). Drop-ins (\$1 at the door) will only be allowed after registered participants have checked in. Water aerobics is a recreational water exercise program designed for men and women who prefer to work out in an aquatic support group environment under the direction of an aerobic exercise leader. For more information, stop by the Campus Recreation Office, 1104 Rekord Armory, or call x3124.

Scholarship Set Up in Memory of Paul Berg

The Paul Berg Scholarship has been set up by his family, friends and the *Washington Post* in memory of the 30-year-old assistant editor of the Post's Health section who was found murdered in his apartment in early January. The scholarship will help cover tuition costs each year to encourage promising students to work on the *Diamondback*, where Mr. Berg began his career as a writer and editor. Those interested in contributing to the memorial fund should call the College of Journalism at x4157.

ARTS AT MARYLAND

Elam Hopes 'Purlie' Draws New Faces to University Theatre

Harry Elam doesn't ordinarily direct musical comedies.

But the assistant professor of theatre has taken on the upcoming University Theatre production of "Purlie" in the hope that the play will have the same impact at UMCP that it had on Broadway — bringing more blacks into the theatre.

When "Purlie," Ossie Davis' story of Mississippi black sharecroppers and their preacher shrewdly raising money for a church, opened on Broadway in 1970, investors were skeptical about the viability of a musical comedy that featured mostly black characters. The play answered skepticism by lasting for nearly 700 performances, earning Tony awards for two actors, featuring a popular soundtrack and generating millions of dollars in ticket sales.

Black musical comedy developed into a hot new genre. Such popular musicals as "The Wiz" and "Ain't Misbehavin'" followed "Purlie" in putting large casts of black actors on Broadway stages.

Elam envisions a more modest but similar impact at UMCP.

"We decided to do the show because we wanted to get more black students, faculty and staff involved in the theater program," Elam says.

"The department has a policy of non-racial casting but that doesn't necessarily bring the black students here. We felt this kind of show, especially during Black History Month, would generate more interest," he says.



Director Harry Elam watches members of the Maryland Gospel Choir rehearse a number from the musical "Purlie," which opens Thursday, Feb. 9 in Tawes Theatre.

The play succeeded in drawing black students from across the campus to auditions. Only a handful of the play's 30 roles (of which only two are white characters) are being filled by theater majors. The University of Maryland Gospel Choir is participating by leading the chorus for the production.

Having attracted new faces to the Tawes Theatre stage, Elam and others in University Theatre are concen-

trating on drawing new audiences. The run of the play (Feb. 9-12 and 16-18) was scheduled to coincide with Black History Month activities to help draw the interest of black students and employees who ordinarily don't attend University Theatre productions.

Several campus organizations are planning special evenings when people from the same campus office or organization will attend the show

together. (University Theatre offers special prices to large groups on certain nights for its productions.) These include the Department of Physical Plant which has scheduled a theater night for Feb. 16 and the Black Alumni Association, which is planning a theater outing Feb. 18.

While featuring the light plot and frequent song and dance numbers typical of musical comedy, the play carries a weighty underlying message, Elam says.

The text of the play is a reworking of Davis' non-musical, anti-segregation satire "Purlie Victorious." Davis has said that both "Purlie" and the earlier play were designed "to laugh segregation out of existence."

The play revolves around the efforts of the black community to dupe a white cotton boss into parting with \$500 the community needs to purchase a church. The money was to be a legacy payable to a black woman who had died. The black preacher, Purlie, devises a plan to have another woman act as the dead woman with the wry observation that "white folks can't tell one of us from the other."

The play features a variety of well-known gospel-rock songs including the show-stopper, "I got Love."

Performances are at 8 p.m. Feb. 9-11 and Feb. 16-18 and at 2 p.m. Feb. 12.

For more information call Tawes Theatre, x2201. ■

Gift Will Help UMCP Expand Japanese Theater Programs

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technicians for use with the Gallery's exhibit, "Japan: The Shaping of Daimyo Culture 1185-1868." The Kanze School, one of five professional No troupes in Japan, performed the play, "Funa Benkei," during the exhibition Oct. 30, 1988-Jan. 23, 1989.

The 28-foot high stage covers about 33 square feet. It has an elegant roof, reminiscent of medieval Japanese architecture and a floor of finely prepared and sanded wood that creates a smooth surface for dancing. On the back wall is painted the image of a sacred pine tree, the traditional background of the Nō Theater.

Nō Theater became an established art form in the 14th century and is best described as a form of poetic drama led by a dancer, often masked, who sings and declaims verse, assisted by a supporting player, a chorus, and stage musicians. Nō often differs from Western theater in its use of a single, powerful emotion, such as love, jealousy or revenge in place of a dramatic plot.

Exquisite costumes are commonly used in Nō theater, and the art form is renowned for its delicate balance of

static and dynamic action.

"This important addition to the study of Japanese culture fits well with our goal of maintaining an international, multi-cultural perspective at UMCP," Kirwan says. "Moreover, campus performing arts groups such as those in dance, opera and drama can benefit from this extraordinary resource."

Thomas Rimer, UMCP chair of Hebrew and East Asian Languages and Literatures, played a key role in bringing the stage to UMCP. Through contacts with Yomiuri Shimbun officials, Rimer first made the suggestion that the stage be given to UMCP when the exhibit ended.

A noted translator of Japanese drama, Rimer is pleased about the prospect of expanding programs in Japanese theater at UMCP. In fall 1988, the Departments of Hebrew and East Asian Languages and Literatures and Communication Arts and Theatre along with the Art Gallery, joined forces on a variety of programs related to Japanese theater. These efforts included an Art Gallery exhibit on the work of Setsu Asakura, a leading Japanese set designer, a production of a contemporary Japanese



Actors perform at the National Gallery of Art on the Nō theater stage recently given to UMCP.

play translated by Rimer, and a symposium on Japanese theater.

Currently, the Departments of English and Hebrew and East Asian Languages and Literatures, along with the Center of Renaissance and Baroque Studies and the Center for the Study of Education Policy and Human Values, are involved in an NEH-funded study of parallels between



(L-R) Suetaro Kawakami of the Yomiuri Shimbun, Master Sakai, prominent Nō actor, and J. Carter Brown of the National Gallery of Art applaud William E. Kirwan as he accepts the gift of a Nō theater for UMCP.

Japanese Kabuki theater and Shakespeare. That program, funded with a \$336,000 NEH grant, also includes an outreach program designed to help further the study of Japanese culture in Maryland high schools.

"Theater is always a good way to look into the heart of a culture," Rimer says. ■

—Brian Busek

Libraries Display Resources for Black History Month

Opening on Feb. 1 in McKeldin Library is a special exhibit in honor of Black History Month, *Researching Black Marylanders: Resources of the Special Collections Division*. Featured will be examples from the UMCP Libraries' collections of manuscripts, photographs, rare pamphlets and important scholarly works which provide significant insights into the history of the Black community in Maryland. The exhibit is open 8:30 a.m.—4:30 p.m. Monday through Friday in the Katherine Anne Porter Room, third floor of McKeldin until Feb. 24. Call x4020 for info.

CLOSE UP

From Here to the Future: Using Computers to Enhance the Physics Curriculum

The introductory undergraduate physics curriculum in most colleges is about 30 years old and is causing a "generational gap" between what students are ready to learn and what they are being taught, says Edward F. Redish, professor in the Department of Physics and Astronomy.

Redish is the creator and principal investigator of M.U.P.P.E.T. — the Maryland University Project in Physics and Educational Technology. The five-year-old project is designed to find ways of improving the quality of college physics instruction through the use of computers.

Redish believes it is time to update the physics curriculum and incorporate the computer, nationwide, as a tool for the instruction of physics. "In the future, we will use the computer like we now use the slide rule," he says.

Most students today are computer literate though poorly prepared for college physics, Redish says. "There is a gap between the physics skills we as teachers expect the students to have and what, in fact, they actually know."

There are several causes for a change in curriculum, he says. "There is an explosion of new knowledge in physics and mathematics that we

need to bring into the curriculum. We also have new insights into the processes of learning gleaned from studies in cognitive psychology, and, with the computer, there is the power to introduce students to more complex work and research."

Redish says computers can be used to enhance basic physics skills and accelerate the learning potential of students. "With the computer, students can visualize physical effects, try different situations and use complex equations to solve difficult problems. It gives them the experience of pursuing a variety of topics beyond the qualitative and approximate level to more complete and quantitative results."

Redish adds that the computer is not being used to side-step fundamental physics skills nor to replace good teachers, textbooks or laboratories. "With computers, there is now more learning and less memorization," he points out.

Inclusion of the computer into the student's first physics course allows them to learn research skills that will be necessary at the graduate level, he says. "In most physics programs, about 80 percent of the skills needed for graduate-level research are not included in the training up to that point. Computers can help change that.



Edward F. Redish

"One of the most interesting things I've learned about using computers in instruction is that computers can motivate students to do state-of-the-art research in their freshman year. When they realize the excitement of what research entails, they are more likely to pursue it.

"Students are learning to program computers and to think for themselves," he continues. "We are showing them the computer is a research tool and that they are in control of the situation."

The M.U.P.P.E.T. program uses several software utility programs that can be altered by the students according to their physics and computer skills. Some students are even learning to write their own programs for physics applications, Redish says. Most of the utility programs were written on campus by the physics department staff, and they are being packaged for sale to other institutions in the near future.

"M.U.P.P.E.T. is gaining a lot of attention," Redish says. "There is a growing support for computers in physics, and we're taking a broader view than most people in software development with our user-friendly programs."

The keynote speaker last October at Educom '88, Redish talked about M.U.P.P.E.T. to a general audience of 2,500 in the Washington Hilton. He also spoke about the program recently to an international audience of 400 at a conference titled, "Computers in Physics Instruction" held at North Carolina State University.

As a result of these presentations, the M.U.P.P.E.T. program has received inquiries about software from around the world, Redish says, including interest in translating the programs to other languages.

"The computer is clearly beginning to have a powerful impact on the way we teach at the college level," Redish says. "But the most important part of adding the computer to college teaching is not the computer itself. It is in our rethinking of what physics means. The computer is letting us include some exciting, and even unsolved, problems in our classes. We are finding ways to produce more students with the creativity, intuition and independence of thought we hope to instill in our physics students." ■

—Fariss Samarrai

Science Know-How of U.S. Youths Found Lacking: Physics Educator Seeks Solutions

A recent federally-sponsored study on education found the science performance of U.S. high school students "distressingly low," with only seven percent of 17-year-olds properly prepared for college science courses.

In physics, a key science for technological development, American high school seniors ranked below equivalent level students of eight other developed nations, according to a recent international educational report.

"We've developed a scientifically illiterate population of students because we haven't developed a standardized program for them," says Jack M. Wilson, UMCP professor of physics and executive officer of the American Association of Physics Teachers.

"About 80 percent of (American) undergraduate students haven't taken any physics courses, though we live in a technologically-based society that requires a higher level of physics training," he says. "We need to attract more students to physics by making it an integral and interesting part of the curriculum at all levels for all students."

According to Wilson, the weakness



Jack M. Wilson

of students' physics training and knowledge at the pre-college and undergraduate level has led to weaknesses at the graduate and research levels.

"There is a continuous erosion of our position in the scientific and

economic world," he says. "Europe has caught up with the U.S. in the quality of graduate science education, and China, Taiwan, Hong Kong and South Korea are rapidly improving; they could eventually have programs that rival ours."

American graduate schools are still producing top scientists, Wilson says, but there is a pronounced decline in the number of qualified American science students for physics graduate school. About 40 percent of all graduate science students in the U.S. are now foreign citizens who are increasingly likely to re-settle in their home countries, carrying with them extensive American scientific knowledge.

The problem with American students, Wilson says, begins in the elementary schools and continues at the university level. "There is a shortage of well-trained physics teachers in the high schools because many physics teachers are draftees who were not originally trained in physics in college," Wilson says. "Seventy percent began their teaching careers in other science fields, and they are often the only physics teachers in their schools. As a result, almost 50

percent of these teachers have little or no contact with other physics teachers." This can lead to stagnation in the course content, Wilson says.

Many schools offer only one or two physics courses and are "teaching the King James version of physics when they should be teaching the Good News version. Most introductory classes and texts don't approach complex problems," he says. "They are still using old style mathematics solutions to 18th and 19th century certainties."

Wilson says it is time to introduce students to more complex, modern problems and, where possible, incorporate the computer as a tool toward this goal. "We have no choice but to make physics exciting. With better trained teachers and an improved curriculum, students will be in better shape to move toward advanced courses.

"We have to use physics principles to improve the program," Wilson continues. "We are dealing with a problem that has a lot of inertia. But if we apply a lot of force for a long time, we'll create velocity in the direction of the future." ■

—Fariss Samarrai

New Year Brings New Name for Business School Center

On January 1, one of the College of Business and Management's programs was given a new name — The Center for Quality and Productivity. Directed by Tom Tuttle, the center, formerly called the Center for Productivity and Quality of Working Life, was founded ten years ago to help companies in Maryland enhance their productivity by increasing employees' benefits and involving them more in the process

of product development. "A decade ago it was necessary to focus on both employees' rights and benefits and on productivity," Tuttle says. "But today, leaders of both labor and management realize that, more than anything else, improved quality leads to increased productivity. Our name change reflects this realization."

COLLEGE PARK PEOPLE

Johnson's Piano Accompanies Campus Dancing Feats



Caption: Isiah Johnson

More than 10 years ago, in his student days at UMCP, Isiah Johnson earned spare change by playing his piano for dance groups.

The pianist worked as musical accompanist for dancers on campus and around the region in off-time from his training as a concert performer.

Now, a decade later, Johnson still earns his piece of change playing for dancers, and he is again a student at UMCP. But his career has been far from static.

Long ago Johnson abandoned the idea of becoming a concert pianist and saw his student moonlighting develop into a career. He now works full-time as an accompanist for the UMCP Department of Dance.

With his ambitions focused squarely on the relationship of music and dance, the associate staff member has

gone back to school to earn academic credentials to complement his dozen years of experience in the field. He eventually wants to add more teaching to his repertoire.

"It was unexpected," Johnson says. "I found I loved teaching and working with choreographers and dancers. I think I had a good flair for it."

Working with dancers requires special qualities of performance and temperament for a pianist. Johnson must maintain a repertoire of classical music for his work in ballet classes, while being able to improvise in more contemporary styles for modern dance classes.

The pianist plays about four hours a day, five days a week, in the classroom. Modern dance classes are held on Monday, Wednesday and Friday, while ballet classes come into the studio Tuesdays and Thursdays.

Aside from concentrating simply on the quality of his own performance, Johnson must remain aware of how his playing is guiding the movements of the dancers.

"You have to try to get into the minds of the dancers and image what they need (musically) to be able to move," he says.

Toward this end, Johnson began taking dance classes in 1985 to better understand what's happening on the studio floor.

"It's made me more aware of the problems dancers face. I appreciate better what they're able to do. However, just being a beginner, I'm cautious about using my own experience as a role model," he says.

Johnson's playing day often does not end with classes at UMCP. Many evenings he works with choreographers and dancers on pieces for upcoming concerts and occasionally prepares music for solo performances.

Johnson will accompany a group of dancers that includes faculty members Susan Haigler de Robles and Alvin Mayes in a series of concerts Feb. 14-18 at the Kennedy Center. He also will present a solo concert in March at Bethesda church.

In addition to his local contacts within the dance community, Johnson is active at a national level. He is an annual participant at the Chhchchetti Conference held during the summer at Michigan State University. Johnson plays for classes and teaches music at the international event.

As he has become more involved in such activities and found his interest in teaching growing, Johnson has discovered an important gap in his own background — he has no university degree.

"When I started doing this, it was

experience that got you the job," he says. "Now, you need the degree to go with the experience. The last few years at the Michigan State conference on the registration form they've added a line that says, 'if you do not have a terminal degree, explain.' The world is changing and I need to catch up."

Johnson is catching up by finishing his bachelor's degree in music at UMCP. In his first run as a UMCP student he completed all his course work in music but left some University Studies Program requirements undone.

Currently, he is tackling such courses as Astronomy 100 and expects to graduate next summer. His goal then is to return to music department classrooms as a graduate student.

Johnson already credits the music department with being an important and positive influence on his career. As a student, he studied piano with Thomas Schumacher, professor of music.

"He stressed awareness of 'musicality,' that's the sense of phrasing and setting of mood in the music, the emotional part of it. I was so well drilled in this that it seemed second nature when I began working with dancers," Johnson says.

"It's an important quality working with dancers. If you just concentrate on the beat, the dancers have no sense of breath," he says.

Johnson feels no regrets that his career has taken him onto the stage as an accompanist rather than at center stage in tuxedo and tails.

"This marriage of music and dance has worked out well," he says. ■

—Brian Busek

Campus Doesn't Hibernate During Winter Break

With a month between first and second semester, some may think that nothing really happens on campus during winter break. But if you listen carefully, you can hear the sound of scrubbing, sweeping, and even some lecturing as the campus prepares for the return of students.

Delores Byrd, a housekeeping supervisor for the Ellicott Community, knows that the residence halls are some of the first places students land when coming back to campus. "During the break, we cleaned 49 rooms that were vacated from first semester," she says. "It's pretty quiet during the holidays, but it all picks up about a week before classes begin."

In addition to adjusting to the rising decibel level, **Marie Contee**, a cook in the South Campus Dining Hall, also has to adjust her recipes for the 800 to 900 people who show up for lunch once school starts. For example, a menu of macaroni and

cheese means cooking 40 pounds of macaroni, 40 pounds of American and 30 pounds of cheddar cheeses and 30 gallons of milk. "That doesn't even include the 400 baked potatoes that are eaten at the potato bar," she says.

Dining services also prepares for some uncertain possibilities. Like other dining hall managers, **Andy Barnes** learned CPR in training seminars during the winter break. He hasn't been in a position to need it in the past, but he does recall a football coach who collapsed of a stroke. "We just want to be better prepared," he says.

Generally, the preparations for spring semester pale in comparison to the flurry of activity that goes into getting ready for fall. There aren't as many new students, but for those who do come, be they freshmen or transfer students, the task of acclimating them to such a large campus is important.

Orientation Director **Gerry Strumpf** tells her staff to remember how it must feel if they were new on campus and far from home. "We try to make the transition as easy as possible," she says. "I remember a girl who looked frustrated standing outside the registration line and asked her if she needed help. 'Oh yes, thank you,' she beamed. Sometimes it just takes a question to reassure someone."

Roger McIntire, associate dean for undergraduate studies, also understands the anxiety some students feel about registration. Working with the orientation office, McIntire's staff spends three days before classes begin advising close to 150 students who have transferred or started their studies at Maryland. He also plans to continue teaching GEN ED 100, Anatomy of Knowing, a course he offered last semester. "It's a student survival course for students

who are undecided about their majors," he says.

Without a doubt, registration is the event that looms largest for the university community during the break. One way the campus prepares for it is by offering pre-registration because few who have done so want to do time in the Armory. For those who don't make it in time, the registration line is moved and expanded from the Mitchell Building to Reckord Armory about a week before classes begin.

"We try not to let anyone go away frustrated," says registration clerk **Charlotte Cook**, "so we'll take time to tell a freshman why he needs his department's advising stamp."

She recalls a girl from Chicago whom she helped during summer registration a-year-and-a-half ago. "Now she comes to me every semester and brings her friends." ■

—John Fritz

UMCP Hosts Health Care Symposium

A continuing education symposium for health care professionals titled "The Mission of College Health in the 1990's" was held Jan. 9-13 at the Center for Adult Education. The symposium, sponsored by the UMCP Health Center, provided an overview of medical and ethical problems facing college health in the next decade. Speakers included 22 health care professionals from local universities, hospitals, private practice

and government agencies. UMCP participants included Robin Sawyer, director of health education, Dr. Donald Moss, assistant director for mental health, Robert J. Confessore, former director of the Lifeline Health and Fitness Program, and Frank Costello, assistant to the athletic director. They spoke on such subjects as AIDS education and prevention, addictive disorders and fitness and conditioning programs.

POINT OF VIEW

The 1989 Maryland General Assembly: A "Kinder and Gentler" Session?

by Brian Darmody

By tradition, the opening day of the Maryland General Assembly begins promptly at 12 o'clock. Accordingly the 1989 session of the Maryland General Assembly was gavelled open at the first stroke of "high noon" on January 11. The metaphor was clear. Like an old western movie, the governor and the General Assembly would soon be in a legislative show-down over state spending. Governor Schaefer, tapping into the state's \$400 million surplus, was expected to submit a budget far above spending affordability guides lines imposed by the General Assembly. It seemed Annapolis just wasn't big enough for both the governor and General Assembly. Eager observers settled into their gallery seats in the State House for a show that lasts 90 days.

Now, one week into the session, it appears the advance billing about the spending battle may have been overstated. Shortly after the session began, reports circulated that the governor's budget would come in only \$20 million above the General Assembly's spending guidelines. Out of a \$10 Billion state budget, \$20 million is not much. Last year, the General Assembly cut more than that without difficulty. Secondly, during the "state of the state" address, the governor stressed a conciliatory tone emphasizing compassion and state social needs while downplaying differences with legislative leadership. After contentious sessions in 1987 and 1988, does this mean we will see a "kinder and gentler" meeting of the General Assembly in 1989? Would *Love Story* replace *High Noon*?

Don't count on it. When you have a state chief executive officer as strong-willed as Governor Schaefer clashing with a legislative body determined to maintain its role, things are bound to remain interesting. While debate over the governor's initial budget may not be as scintillating as first believed, any number of issues, from supplemental budgets to light rail, assure observers in the legislative galleries are not too bored.

Meanwhile, the budget for Maryland's public institutions of higher education is in an unusual posture this year. During the debate over the higher education reorganizations in 1988, the Maryland Senate inserted language into the higher education bill requiring the governor to provide in this year's budget certain minimum levels of operating funds

for public colleges and universities, including College Park. It is unlikely the Maryland Senate would trim higher education's budget this year when last year it mandated minimum levels. No such implied promise exists for funding above the minimum levels expected to be included in the governor's budget. Everyone associated with Maryland higher education will have to do his or her part to assure higher education's budget is preserved. So stay tuned. The 1989 Maryland General Assembly promises to be a good show. ■

Brian Darmody, an attorney, is a member of the UMCP president's staff specializing in legislative issues.

Benefits Orientation Offered to New Faculty, Staff

Newly hired faculty and staff members are invited to attend an orientation that explains benefits offered to university employees. The orientation is held on the second Tuesday of each month in Hornbake Library, room 2202, beginning at 10 a.m. For information, call Gene Edwards or Ed Sinsky in the Staff Benefits Office, x6312.

UMCP Faculty: Years-in-Rank and Age

According to statistics from the Office of Institutional Studies, the Fall 1988 semester, the average age for 1,972 full-time faculty at UMCP was 44 years. The average number of

years they held their respective ranks was 6.7 years. The 544 full professors have held that rank for an average of 10.6 years and attained that rank at an average age of 42.9 years. The average age of the 503 associate professors was 46 years and they have held their rank for an average of 8.5 years.

Engineering Researcher Appointed to State Advisory Board

Herbert Rabin, director of the Engineering Research Center, was recently appointed by Gov. William Donald Schaefer to a two-year term as a member of the Advisory Board of the state's Office of Technology Development. This new office, within

the Department of Economic and Employment Development, is designed to build on Maryland's technology base.

Students Grade the Grades

Forty-five percent of the freshmen recently surveyed by the Counseling Center in the New Student Census said that a grade of "C" would only be a "fair" grade to them. Another 33 percent of the students felt a "C" would be poor work for them. There were no differences between males and females in this area. In looking toward their coursework at UMCP, most students were in agreement with the statement, "I expect that for the most part, my courses will be stimulating."

New Social Security Rates in Effect

As of January 1, the Social Security wage base is \$48,000, up from last year's \$45,000 wage base. The Social Security tax rate for employer and employee is 7.51 percent, unchanged from 1988. The maximum Social Security tax for employer and employee is \$3,604.80, up from \$3,379.50 for last year.

Time to Play Tennis

Prime time tennis is back at the tennis bubble, noon to 6 p.m., at discount rates for faculty and staff. Call x5742 for court reservations.

Opening Date Set For Language House

A special dormitory for foreign language students will open in the fall 1989 semester.

St. Mary's Hall dormitory is being renovated to serve as The Language House, the planned home of 90 undergraduate and graduate students who have a proficiency and interest in a foreign language. Students who speak any of nine different languages — French, Spanish, German, Russian, Hebrew, Japanese, Chinese, Italian and Portuguese — are invited to apply for places in the house. Students who are accepted will be clustered in suites of five with each suite containing speakers of the same foreign language.

Undergraduates will occupy most of the places in the house, says Delores Bondurant, lecturer in French and Italian Languages and Literature

and chair of a 15-member steering committee overseeing the project. Graduate student residents will serve as mentors for each language group, she says.

The house will be equipped with a number of high tech devices to help further language study. These include equipment for showing films and videos, television and short wave radio reception and communication links between the campus language lab and the suites.

The College of Arts and Humanities held a reception Dec. 9 to announce the opening of the Language House. ■



John Bailey, a graduate assistant in the Department of Computer Science, plays the cello in the *Holiday Musicales*, performed by members of the College of Computer, Mathematical and Physical Sciences Dec. 14.